

Submit for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	792-A-PCT-US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 4672108 A	06-09-1987	Kung, et al.	
	2	US- 4681930	07-21-1987	Kung, et al.	
	3	US- 4695623	09-22-1987	Y, Stabinsky	
	4	US- 4897471	01-30-1990	Y, Stabinsky	
	5	US- 5602232	02-11-1997	Reichert, et al.	
	6	US- 5972331	10-26-1999	Reichert, et al.	
	7	US- 6087478	07-11-2000	Vinkemeier, et al.	
	8	US- 6532437 B1	03-11-2003	Clardy, et al.	
	9	US- 6546074 B1	04-08-2003	Blundell, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	10	CN-1099799A	03-08-1995	Wei, et al.		
	11	CN-1120846A	04-17-1996	Wei, et al.		
	12	CN-1186120A	07-01-1998	Wei, et al.		
	13	CN-1217660A	05-26-1999	Wei, et al.		
	14	CN-1256148A	06-14-2000	Wei, et al.		
	15	CN-1291198A	04-11-2001	Wei, et al.		

Examiner
Signature

Date
Considered

8/12/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	792-A-PCT-US

Sheet 2

of 4

Attorney Docket Number	792-A-PCT-US
------------------------	--------------

U. S. PATENT DOCUMENTS

[illegible]

~~FOREIGN PATENT DOCUMENTS~~

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ⁴ Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	16	CN-1384116A	12-11-2002	Wei, et al.		
	17	CN-1098103C	01-08-2003	Wei, et al.		
	18	CN-1062565C	02-28-2001	Wei, et al.		
	19	EP-0083734B1	12-03-1982	Kung, et al.		
	20	EP-0736303B1	03-30-1996	Gross, et al.		
	21	EP-0777495B1	10-10-1995	Pui-Ho Yuen, Douglas Kline		

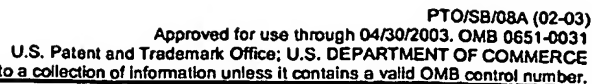
**Examiner
Signature**

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

of 4

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	792-A-PCT-US

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ⁴ -Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
Y	22	WO 01/35987 A1	05-25-2001	Kang, et al.		

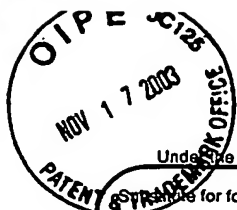
**Examiner
Signature**

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	792-A-PCT-US

Sheet 4 of 4

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
18	23	CAO Hongpeng, TAO Peizhen. Effect of Anti-HBV of 6 Drugs Include Lamivudine. Natl Med J China, 2001,81(16):1004-1007	
	24	FEI Junhua, QIN Laiyin, FAN Guiling, et al. Clinical Observation of Effect on Treatment of Chronic Hepatitis B by a Combination of Interferon- γ and Lamivudine. Shandong Medical Journal, 1999,39(11): 3-4	
	25	GAO Yuanfu, LIU Guanglin, XIA Zhengkun, et al. Treatment of hepatitis virus related pediatric nephritis with IFN- γ . Academic Journal of Jinlin Hospital, 1999,12(1):24-26	
	26	LEI Binjun, LIU Yuhong, QIU Yanqiu, et al. Observation on Clinical Treatment of Chronic Hepatitis B by Purified Human Leucocyte Interferon- γ . Chinese Journal of Practical Internal Medicine, 1995,15(3):155-157	
	27	LANG Zhenwei, HAN Honglei, XU Dejun, et al. Observation on Serology and Histology of Patients with Chronic Hepatitis B after Interferon Treatment. Chin J Infect Dis., 2002,20(2):97-100	
	28	WANG Xiangye, LI Xuegang. Comparing Effect of Three Drugs on Turning HBeAg to Negative. Qianwei Medical Journal, 1994,11(4):197-198	

Examiner Signature		Date Considered	8/12/03
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/650,365

Filing Date August 28, 2003

First Named Inventor WEI, Guangwen

Art Unit 1647

Examiner Name Galvez, James Jason T. Schomsey

Sheet 2

of

2

Attorney Docket Number 792-A-PCT-US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	4	PCT Notification of Transmittal of International Preliminary Report on Patentability for HUIYANGTECH (USA) INC., Int'l Application No. PCT/US04/28068, Filed August 26, 2004, Dated May 13, 2005	
	5	EPO Supplementary European Search Report, Application No. EP 02702211, Filed February 28, 2002, Date of completion of the search: February 23, 2005	
	6	Apeler H, et al. "Expression of natural and synthetic genes encoding herpes simplex virus 1 protease in Escherichia coli and purification of the protein", European Journal Of Biochemistry / Febs. 1 Aug 1997, vol. 247, no. 3, 1 August 1997 (1997-08-01), pages 890-895, XP002318941, ISSN: 0014-2956	
	7	Guzman Luz-Maria, et al. "Tight regulation, modulation, and high-level expression by vectors containing the arabinose P-BAD promoter", Journal of Bacteriology, vol. 177, no. 14, 1995, pages 4121-4130, XP002121022, ISSN: 0021-9193	
	8	Huang Wanzhi, et al. "Use of the arabinose pbad promoter for tightly regulated display of proteins on bacteriophage", Gene (Amsterdam), vol. 251, no. 2, 27, June 2000 (2000-06-27), pages 187-197, XP004206676, ISSN: 0378-1119	

Examiner Signature

Date Considered

8/1/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

Complete if Known

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	1647
Examiner Name	J. Seha Raseyn
Attorney Docket Number	792-A-PCT-US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JD	1	US- 4672108 A	06-09-1987	Kung, et al.	
	2	US- 4681930	07-21-1987	Kung, et al.	
	3	US- 4695623	09-22-1987	Y, Stabinsky	
	4	US- 4897471	01-30-1990	Y, Stabinsky	
	5	US- 5602232	02-11-1997	Reichert, et al.	
	6	US- 5972331	10-26-1999	Reichert, et al.	
	7	US- 6087478	07-11-2000	Vinkemeier, et al.	
	8	US- 6532437 B1	03-11-2003	Clardy, et al.	
	9	US- 6546074 B1	04-08-2003	Blundell, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
JD	10	CN-1099799A	03-08-1995	Hauptmann, et al.		
	11	CN-1120846A	04-17-1996	Reichert, et al.		
	12	CN-1186120A	07-01-1998	Huang, Yun Qiang		
	13	CN-1217660A	05-26-1999	Blatt, Larry and Klein, Michael		
	14	CN-1256148A	06-14-2000	Zhang, Lei		
	15	CN-1291198A	04-11-2001	Hogarth, et al.		

Examiner Signature		Date Considered	08/11/03
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 2 of 2


Complete if Known

Application Number	10/650,365
Filing Date	August 28, 2003
First Named Inventor	WEI, et al.
Art Unit	1648
Examiner Name	J. Schell
Attorney Docket Number	792-A-PCT-US

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ²
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
	16	CN-1384116A	12-11-2002	Jiang, Chun Lei and Wang, Yun Xia		
	17	CN-1098103C	01-08-2003	Black, Lawrence M. and Taylor, Milton W.		
	18	CN-1062565C	02-28-2001	Zhao, et al.		
	19	EP-0083734B1	12-03-1982	Kung, et al.		
	20	EP-0736303B1	03-30-1996	Gross, et al.		
	21	EP-0777495B1	10-10-1995	Pui-Ho Yuen, Douglas Kline		

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.